

Figure 1

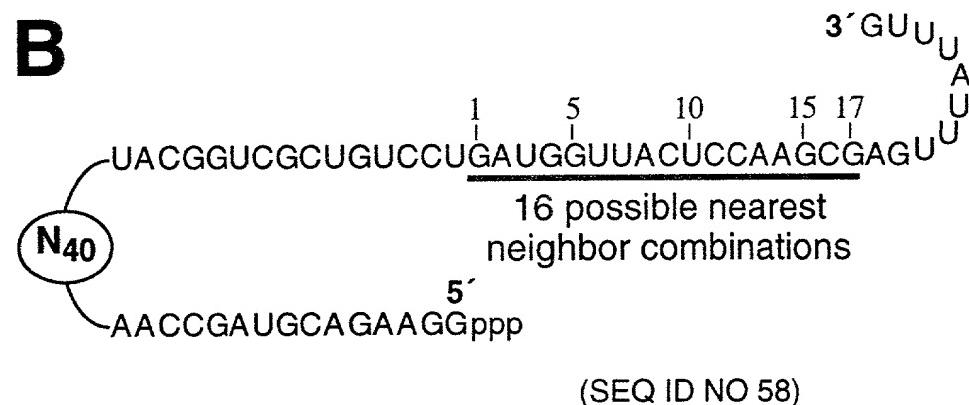
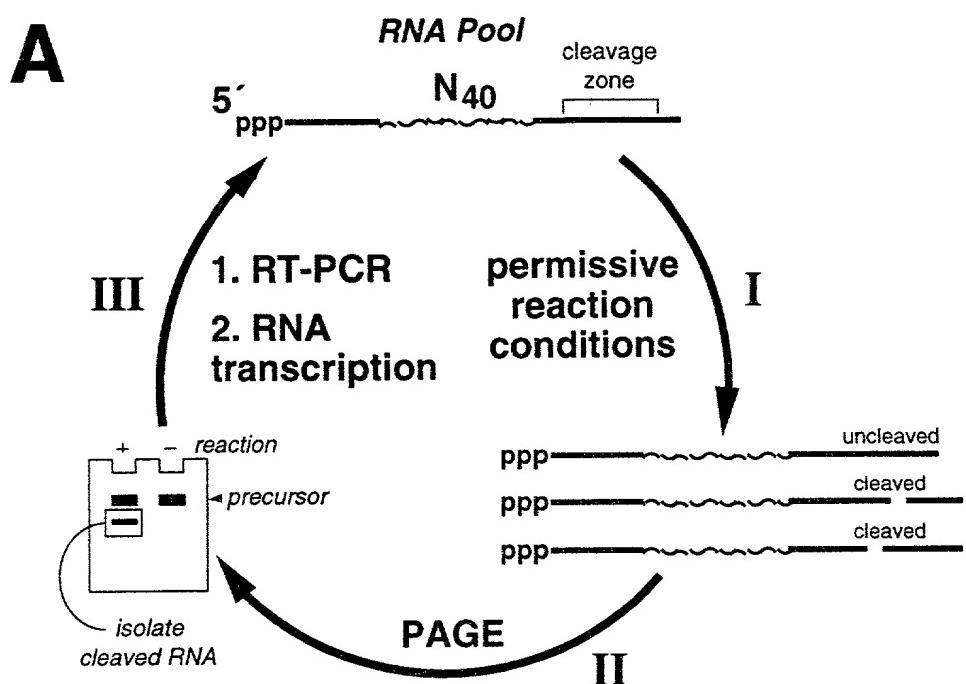


Figure 2

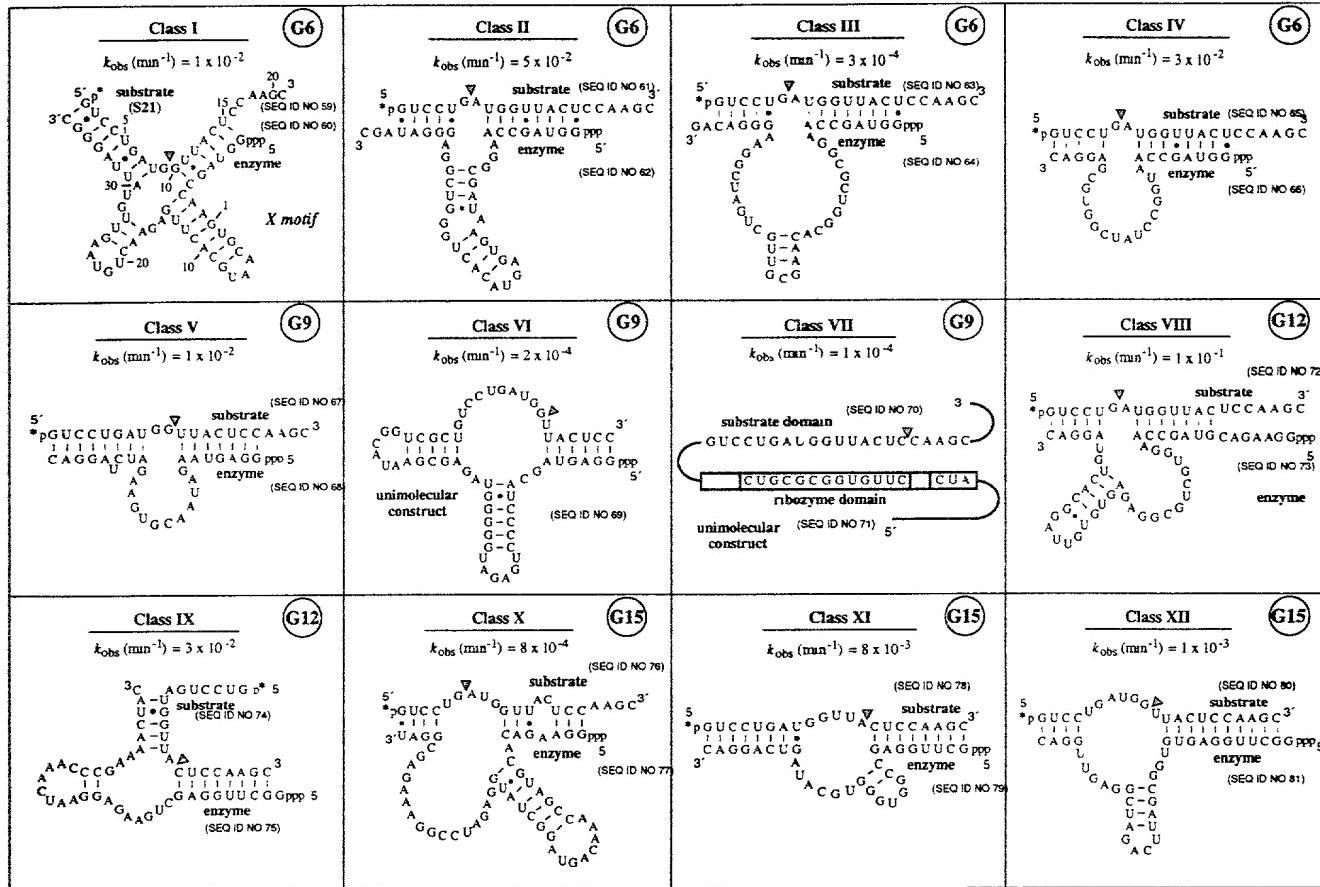
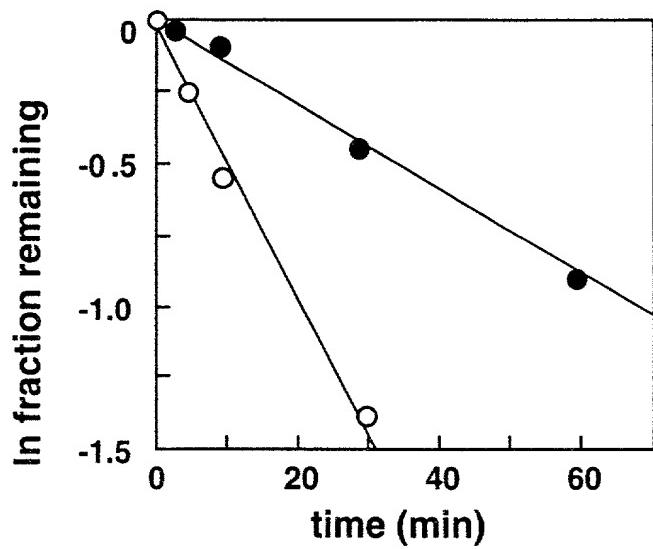


Figure 3

A



B

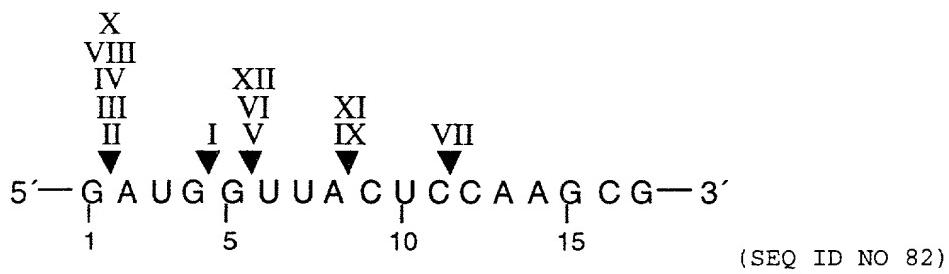


Figure 4

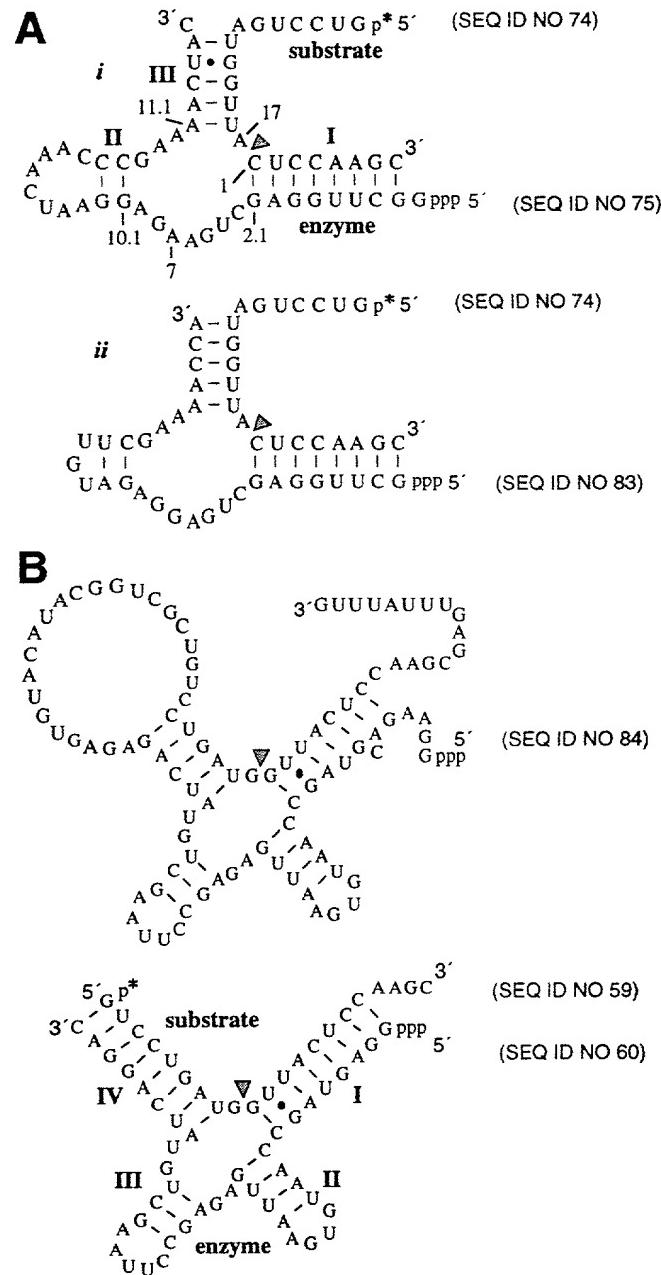


Figure 5

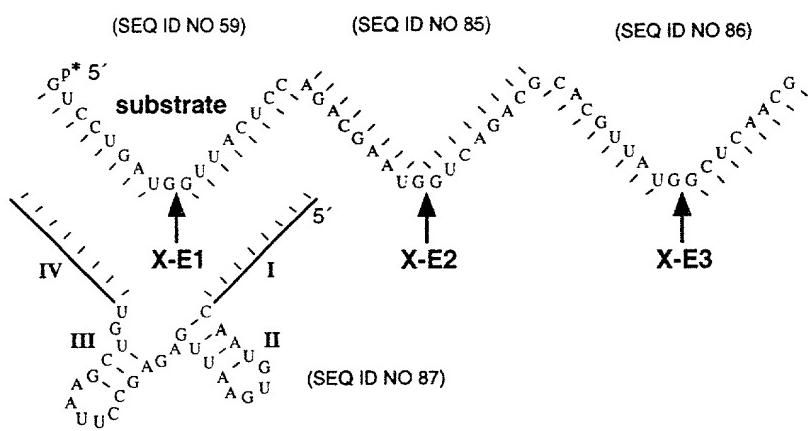


Figure 6: Class V ribozyme 2'-O-methyl core "walk"

Rate for 6@7 2'-O-Me arms and all ribo core $K_{obs} = 0.056$ and 0.058 min^{-1}

Rate for all 2'-O-Me enzyme with A14.1 = ribo $K_{obs} = 0.00008 \text{ min}^{-1}$

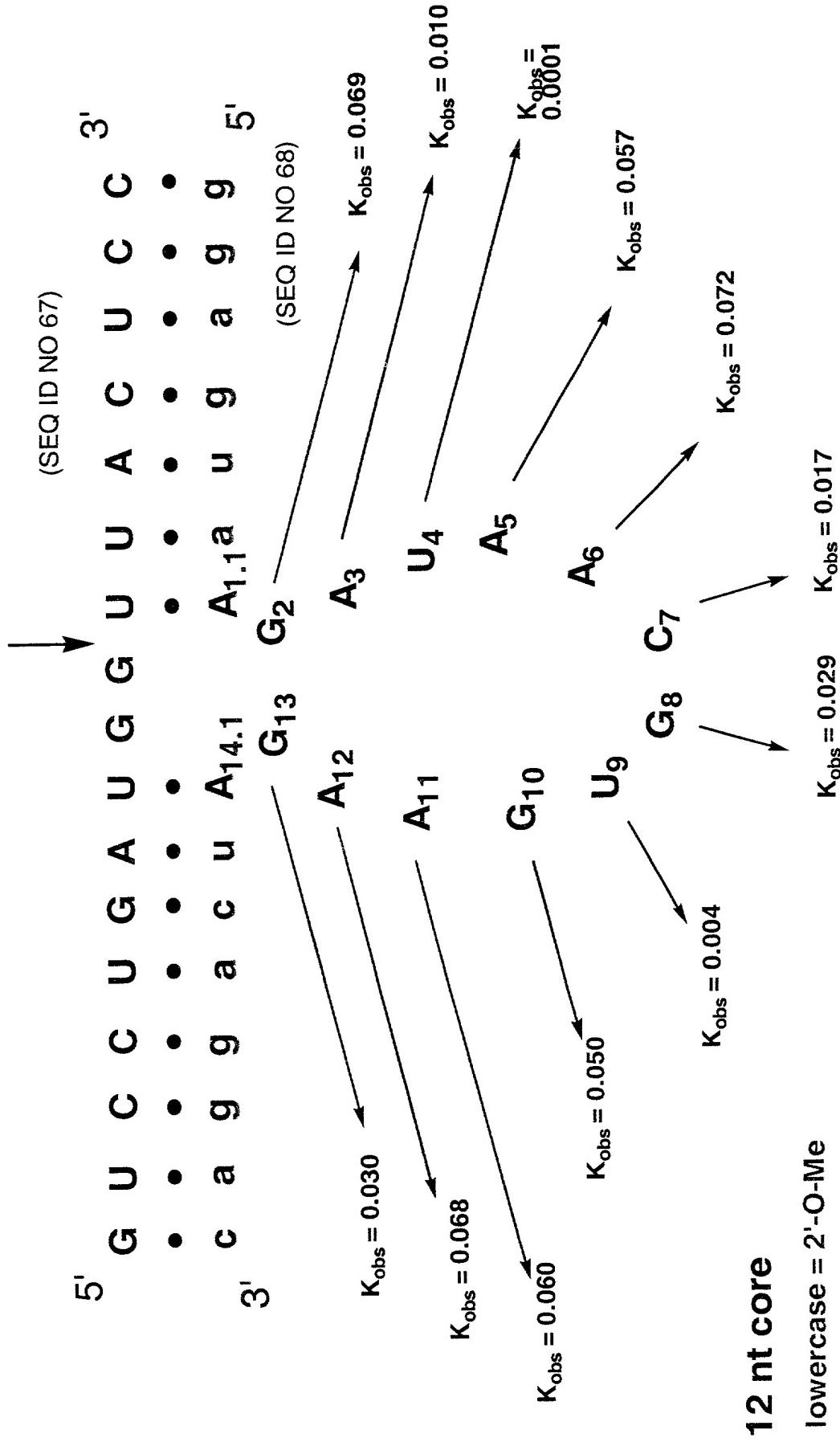
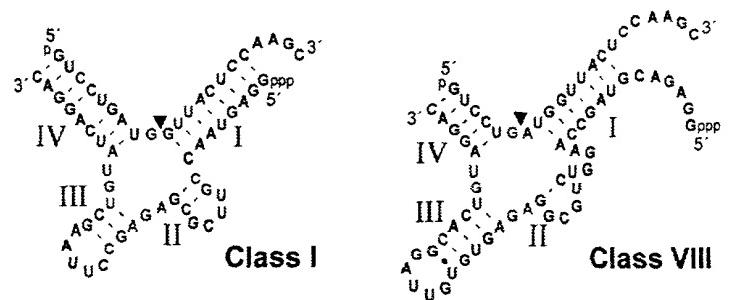


Figure 7: Class I and VII Sequence and Structural Similarities



Class I motif cleavage site

1 G 3
2 ▼ 4

- 1 = A or U
- 2 = complementary to 1
- 3 = G, A or U
- 4 = complementary to 3

Figure 8:

